

Windbreak Interpretations

Farmstead windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, increase crop yields, and provide food and cover for wildlife.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth based on the soil type and climate.

Information in this subsection, which includes windbreak suitability groups and a windbreak and environmental plantings table, can be used as a guide in planning windbreaks and screens.

This subsection includes:

- **(a) Trees and Shrubs for Windbreak and Environmental Plantings**

Bollinger County, Missouri
Windbreaks and Environmental Plantings

(Absence of an entry indicates that trees generally do not grow to the given height.)

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
60033: Wrengart-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
60046: Minnith-----	---	---	---	---	---
60053: Winfield-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
60054: Minnith-----	---	---	---	---	---
60055: Winfield-----	American hazelnut; black chokeberry; common elderberry; common juniper; common ninebark; common winterberry; coralberry; mapleleaf viburnum; redosier dogwood; silky dogwood	American plum; American witchhazel; blackhaw; common chokecherry; common serviceberry; prairie crabapple; roughleaf dogwood; smooth sumac; southern arrowwood	arborvitae; blue spruce; common persimmon; eastern redcedar; nannyberry; pecan; Washington hawthorn; white oak	black walnut; blackgum; common hackberry; Douglas fir; green ash; northern red oak; Norway spruce; pin oak; tuliptree	Carolina poplar; eastern cottonwood; eastern white pine
66000: Moniteau-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
66054: Wakeland-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
66055: Haymond-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
73055: Alred-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Rueter-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73100: Wrengart-----	---	---	---	---	---
73101: Wrengart-----	---	---	---	---	---
73139: Poynor-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
73139: (cont) Clarksville-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Scholten-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73140: Clarksville-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Scholten-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73141: Firebaugh-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
73145: Crider-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73146: Marquand-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73150: Caneyville-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---
Bucklick-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73151: Caneyville-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---
Gasconade-----	---	---	---	---	---

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73151: (cont) Bucklick-----	American hazelnut; fragrant sumac	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple; white oak	northern red oak; tuliptree; white ash	eastern white pine
73156: Alred-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Gepp-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---
73157: Captina-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73223: Coulstone-----	coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Bender-----	coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
73264: Alred-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Wrengart-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73265: Captina-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Scholten-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73266: Hildebrecht-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
73267: Yelton-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Scholten-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73269: Brussels-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Gasconade-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---
73270: Wrengart-----	---	---	---	---	---
73343: Captina-----	---	---	---	---	---
73344: Captina-----	---	---	---	---	---

Bollinger County, Missouri
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	<8	8-15	16-25	26-35	>35
73345: Hildebrecht-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
73346: Hildebrecht-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
74644: Deible-----	common buttonbush; common ninebark	possumhaw; sandbar willow	black willow; bur oak; green hawthorn	baldcypress; green ash; pecan; red maple; swamp white oak; sweetgum	eastern cottonwood; silver maple
74646: Cornwall-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
74648: Aslinger-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
74649: Aslinger-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Waben-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
74679: Higdon-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
74680: Moniteau-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
74685: Auxvasse-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75379: Kaintuck-----	---	Amur honeysuckle; Amur maple; autumn olive; common lilac	eastern redcedar	Austrian pine; common hackberry; eastern white pine; green ash; honeylocust; pin oak	eastern cottonwood

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	<8	8-15	16-25	26-35	>35
75381: Bearthicket-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
75395: Jamesfin-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
75408: Secesh-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75409: Relfe-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75411: Tilk-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75416: Gladden-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine

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	<8	8-15	16-25	26-35	>35
75417: Relfe-----	coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Sandbur-----	coralberry; flameleaf sumac	eastern redcedar; gray dogwood; jack pine	chinkapin oak; persimmon; post oak	black oak; honeylocust	---
75426: Gabriel-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
75428: Tilk-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Cornwall-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Poynor-----	common ninebark; fragrant sumac; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---

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	<8	8-15	16-25	26-35	>35
75429: Tilk-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Secesh-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75430: Wideman-----	coralberry; eastern redcedar; flameleaf sumac	eastern redcedar; gray dogwood; jack pine	chinkapin oak; persimmon; post oak	black oak; honeylocust	---
75451: Gladden-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
75467: Wilbur-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75468: Elsah-----	---	---	---	---	---
77000: Killarney-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
77000: (cont) Frenchmill-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77002: Delassus-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77005: Hassler-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Syenite-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77008: Hassler-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
80000: Calhoun-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
80001: Oaklimeter-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
82000: Dubbs-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
82001: Amagon-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
82002: Forestdale-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
82005: Malden-----	American plum; common lilac; fragrant sumac; gray dogwood	autumn olive; Washington hawthorn	blackjack oak; diospyros; eastern redcedar; jack pine	eastern cottonwood	---
82006: Bosket-----	---	---	---	---	---
82007: Bosket-----	---	---	---	---	---
82009: Forestdale-----	---	---	---	---	---
82010: Amagon-----	---	---	---	---	---
82011: Crowley-----	buttonbush; silky dogwood	Amur honeysuckle	eastern redcedar	baldcypress; green ash; loblolly pine; water oak	American sycamore; eastern cottonwood; pin oak; sweetgum
86000: Dubbs-----	---	---	---	---	---
86001: Calhoun-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
86002: Falaya-----	---	---	---	---	---
86003: Amagon-----	---	---	---	---	---

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	<8	8-15	16-25	26-35	>35
86004: Forestdale-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
90000: Memphis-----	---	---	---	---	---
90001: Memphis-----	---	---	---	---	---
99001: Water-----	---	---	---	---	---
99003: Miscellaneous water-----	---	---	---	---	---
99007: DAM-----	---	---	---	---	---
99015: Orthents-----	---	---	---	---	---
Water-----	---	---	---	---	---